

RECEIVED
CENTRAL FAX CENTER

Feb. 14. 2006 9:56AM Walker & Sako, LLP

No. 1781 P. 1

FEB 14 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): **Uneme, Masakatsu**

Serial No.: **10/657,464**

Group Art Unit: **2186**

Filed: **September 8, 2003**

Examiner: **Kim, Hong Chong**

Title: **(As Amended) Data Processing Apparatus that Shares a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits**

Attorney Docket No.: **N26532602E**

TRANSMITTAL COVER SHEET (37 C.F.R. §1.8(a)(i)(A))
First Class Mail

Assistant Commissioner for Patents
Washington, D.C. 20231

The following is included:

<input type="checkbox"/> Amendment/Response	<input type="checkbox"/> Applications
<input type="checkbox"/> After Final Rejection	<input type="checkbox"/> Response to Missing Parts Under 37 C.F.R. §1.52 or §1.53
<input type="checkbox"/> Affidavits/Declaration(s)	<input type="checkbox"/> Assignment Papers
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney/Revocation/Change of Correspondence Address
<input type="checkbox"/> Information Disclosure Statement	
<input type="checkbox"/> Status Request Letter	
<input checked="" type="checkbox"/> Other <u>Certification Under 37 C.F.R. 1.8(b)</u>	

Conditional Petition for Extension of Time

It is believed that the indicated items are timely filed. However, in the event an extension of time is required, please consider this a petition for extension of time under 37 C.F.R. §1.136(a). Please charge any fees that may be required to Deposit Account No. 50-2087.

Respectfully Submitted,


Darryl G. Walker, Reg. No. 43,232

February 14, 2006
Date

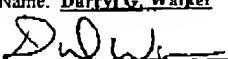
37 C.F.R. §1.8

I hereby certify that this correspondence is being

transmitted via facsimile to the United States Patent and Trademark Office to fax number: 1-571-273-8300
Date of Transmittal: February 14, 2006

deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231.
Date of Deposit: _____

Typed/Printed Name: Darryl G. Walker

Signature: 

FEB 14 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): **Uneme, Masakatsu**Serial No.: **10/657,464**Group Art Unit: **2186**Filed: **September 8, 2003**Examiner: **Kim, Hong Chong**Title: **(As Amended) Data Processing Apparatus that Shares a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits**Attorney Docket No.: **N26532602E**CERTIFICATION OF PREVIOUS TRANSMISSION/DEPOSIT
37 C.F.R. 1.8(b)Statement of Darryl G. Walker:

(1) Examiner H. C. Kim contacted me by telephone on February 10, 2006 to inform me that a faxed in response to an Office Action ("the Correspondence") dated December 16, 2005 for case serial no. 10/657,464 was incomplete, and needed to be re-submitted.

(2) Transmitted herewith is a copy of the previously transmitted Correspondence which includes a certification under 37 C.F.R. 1.8(a) indicating that the Correspondence was transmitted to the Patent Office on December 16, 2005.

(3) I transmitted the Correspondence to the fax number 1-571-273-8300 on December 16, 2005. Included are the following:

- a) a copy of the sending unit's report confirming the transmission of the Correspondence.
- b) a copy of a first Auto-Reply Facsimile Transmission confirming the receipt of the first six pages of the Correspondence.
- c) a copy of a second Auto-Reply Facsimile Transmission confirming the receipt of the last ten pages of the Correspondence.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Signed:



Darryl G. Walker
Reg. No. 43,232

February 14, 2006

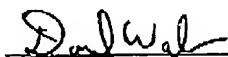
Date

RECEIVED
CENTRAL FAX CENTER

Feb. 14. 2006 9:57AM Walker & Sako, LLP

FEB 14 2006

No. 1781 P. 4

AMENDMENT TRANSMITTAL LETTER				Attorney Docket No: N26532602E		
Application Serial Number: 10/657,464		Filing Date: 09/08/2003		Examiner: Kim, Hong Chong		Group Art Unit: 2186
Invention: Data Processing Apparatus that Shares a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits.						
TO THE COMMISSIONER OF PATENTS AND TRADEMARKS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated as shown below.						
CLAIMS AS AMENDED						
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	NO. OF EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	20	MINUS	20	0	\$50	\$ 0.00
INDEP. CLAIMS	3	MINUS	3	0	\$200	\$ 0.00
Petition is hereby made under 37 CFR 1.136(a) to extend the time for response to the Office Action of _____ to and through _____, comprising an extension of the shortened statutory period of: ____ one month (\$120) ____ three months (\$1020) ____ two months (\$450) ____ four months (\$1590)						
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						
<input type="checkbox"/> A check in the amount of <u>\$ 0.00</u> is attached. <input checked="" type="checkbox"/> Please charge any necessary additional fees or credit any overpayment to Deposit Account <u>50-2087</u> . <input type="checkbox"/> No additional fee is required.						
<u>Conditional Petition for Additional Extension of Time</u> It is believed that the indicated items are timely filed. However, in the event an additional extension of time is required, please consider this a petition for extension of time under 37 C.F.R. §1.136(a). Please charge any fees that may be required to Deposit Account No. <u>50-2087</u> .						
<u>December 16, 2005</u> Date				 Darryl G. Walker, Reg. No. 43,232		
<u>37 C.F.R. §1.8</u> I hereby certify that this correspondence is being						
[X] transmitted via facsimile to the United States Patent and Trademark Office to fax number: <u>1-571-273-8300</u> Date of Transmittal: <u>December 16, 2005</u>						
[] deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450. Date of Deposit: _____						
Typed/Printed Name: <u>Darryl G. Walker</u> Signature: 						

Feb. 14. 2006 10:00AM Walker & Sako, LLP

No. 1781 P. 20

P. 1

* * * Communication Result Report (Dec. 16. 2005 10:30AM) * * *

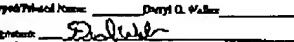
Fax Header) Walker & Sako, LLP

Date/Time: Dec. 16. 2005 10:21AM

File No. Mode	Destination	Pg(s)	Result	Page Not Sent
1456 Memory TX	US PTO	P. 16	OK	

Reason for error

E. 1) Hang up or line fail
 E. 2) Busy
 E. 3) No answer
 E. 4) No facsimile connection
 E. 5) Exceeded max. E-mail size

AMENDMENT TRANSMISSION LETTER					Attorney Docket No: 1456314728
Application Serial Number: 10/637,464	Filing Date: 09/08/2003	Examiner: Kim, Hong Choung	Group Art Unit: 2186		
Invention: Data Processing Apparatus that Stores a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits					
TO THE COMMISSIONER OF PATENTS AND TRADEMARKS: Transmitted herewith is an amendment to the above-identified application. The fee has been calculated as shown below.					
CLAIMS AS AMENDED					
TOTAL CLAIMS	20	MINUS	20	0	\$ 0.00
NON-DEP. CLAIMS	3	MINUS	3	0	\$ 0.00
Petition is hereby made under 37 C.P.R. 1.136(a) to extend the time for response to the Office Action of _____ to end through _____, comprising an extension of the shortened statutory period of _____. <input type="checkbox"/> one month (\$120) <input type="checkbox"/> three months (\$1020) <input type="checkbox"/> two months (\$450) <input type="checkbox"/> five months (\$1590)					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					
<input type="checkbox"/> A check in the amount of \$ 0.00 is attached. <input checked="" type="checkbox"/> Please charge any necessary additional fees or credit any overpayment to Deposit Account No. 50-2087. <input checked="" type="checkbox"/> No additional fee is required.					
Conditional Petition for Additional Extension of Time It is believed that the indicated items are timely filed. However, in the event an additional extension of time is required, please consider this a petition for extension of time under 37 C.P.R. §1.196(a). Please charge any fees that may be required to Deposit Account No. 50-2087.					
Date		Signature			
December 16, 2003		Darryl G. Walker, Reg. No. 43,132			
I hereby certify that this correspondence is being					
DU transmitted via facsimile to the United States Patent and Trademark Office on this date: 12/16/2005					
I deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22213-1450.					
Date of Deposit:					
Typed/Printed Name: Darryl G. Walker					
Signature: 					

BEST AVAILABLE COPY



Auto-Reply Facsimile Transmission

TO: Fax Sender at 14089770174

Fax Information
 Date Received: 12/16/2005 1:17:45 PM [Eastern Standard Time]
 Total Pages: 6 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page
=====>

Dec. 16, 2005 10:21AM Walker & Sako, LLP		No. 1456 P.	
AMENDMENT TRANSMITTAL LETTER			
			Attorney Docket No: N26532601E
Application Serial Number: 10/659,464	Filing Date: 09/09/2003	Examiner: Kim, Hong Chong	Group Art Unit: 2186
Invention: Data Processing Apparatus that Shares a Single Semiconductor Memory Circuit Among Multiple Data Processing Circuits			
TO THE COMMISSIONER OF PATENTS AND TRADEMARKS: Transmitted herewith is an amendment in the above-identified application. The fee has been calculated as shown below.			
CLAIMS AS AMENDED			
TOTAL CLAIMS	20	MINUS	20
INDEP. CLAIMS	3	MINUS	3
Petition is hereby made under 37 CFR 1.136(e) to extend the time for response to the Office Action of _____ to and through _____, comprising an extension of the shortened statutory period of: <input type="checkbox"/> one month (\$1020) <input type="checkbox"/> three months (\$1020) <input type="checkbox"/> two months (\$450) <input type="checkbox"/> four months (\$1390)			
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT			
<input type="checkbox"/> A check in the amount of \$ 0.00 is attached. <input checked="" type="checkbox"/> Please charge any necessary additional fees or credit any overpayment to Deposit Account <u>50-2087</u> . <input checked="" type="checkbox"/> No additional fee is required.			
Conditional Petition for Additional Extension of Time It is believed that the indicated items are timely filed. However, in the event an additional extension of time is required, please consider this a petition for extension of time under 37 C.F.R. § 1.136(a). Please charge any fees that may be required to Deposit Account No. <u>50-2087</u> .			
December 16, 2005		S. D. Walker Darryl G. Walker, Reg. No. 43,232	
I hereby certify that this correspondence is being			
<input checked="" type="checkbox"/> transmitted via facsimile to the United States Patent and Trademark Office at number: <u>1-911-273-8310</u> Date of Transmittal: <u>December 16, 2005</u>			
<input type="checkbox"/> deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450. Date of Deposit:			
Typed/Printed Name: <u>Darryl G. Walker</u>			
Signature: <u>Darryl G. Walker</u>			

BEST AVAILABLE COPY



Auto-Reply Facsimile Transmission



TO: Fax Sender at 14089770174
Fax Information
Date Received: 12/16/2005 1:24:51 PM [Eastern Standard Time]
Total Pages: 10 (including cover page)

ADVISORY: This is an automatically generated return receipt confirmation of the facsimile transmission received by the Office. Please check to make sure that the number of pages listed as received in Total Pages above matches what was intended to be sent. Applicants are advised to retain this receipt in the unlikely event that proof of this facsimile transmission is necessary. Applicants are also advised to use the certificate of facsimile transmission procedures set forth in 37 CFR 1.8(a) and (b), 37 CFR 1.6(f). Trademark Applicants, also see the Trademark Manual of Examining Procedure (TMEP) section 306 et seq.

Received
Cover
Page
=====>

Dec. 16, 2005 10:23AM 321k1 & 340, ..P. 1:456 P. 7/16
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

11. (Original) The data processing apparatus of claim 9, wherein:
each of the plurality of data processing circuits includes
a request input/output (I/O) for indicating when the data processing
circuit seeks control of the semiconductor memory circuit;
a grant I/O for indicating when the data processing circuit is
granted control of the semiconductor memory circuit; and
a busy I/O for indicating when the data processing circuit is
controlling the semiconductor memory circuit.

12. (Original) The data processing apparatus of claim 11, wherein:
each of the plurality of data processing circuits includes
a first switch for selectively connecting the request I/O, grant I/O,
and busy I/O to a requesting circuit that generates a request indication and
busy indication for the data processing circuit; and
a second switch for selectively connecting the request I/O, grant
I/O, and busy I/O to an arbitration circuit that generates a grant indication;
wherein
the first switch is disabled and the second switch is enabled when
the data processing circuit is initialized as a master device, and the first
switch is enabled and the second switch is disabled when the data
processing circuit is initialized as a slave device.

13. (Original) The data processing apparatus of claim 12, wherein:
each data processing circuit includes
a controller that generates at least one controller signal for enabling
or disabling the first switch and second switch according to initialization
data.

14. (Original) The data processing apparatus of claim 9, wherein:
the at least one control line is directly connected to the control input of the
semiconductor memory circuit and the control output of each of the plurality of
data processing circuits.

PAGE 118 * RCVD AT 12/16/2005 1:24:51 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/27 * DNIS:2738300 * CSID:14089770174 * DURATION (mm:ss):02:00

BEST AVAILABLE COPY